

1 **DISK DRIVE FOR CIRCULAR SELF SERVO WRITING AND SPIRAL SELF**
2 **SERVO WRITING USING PREWRITTEN REFERENCE SERVO BURSTS**

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4 **ABSTRACT OF THE DISCLOSURE**

5 A disk drive is disclosed comprising a disk and a head actuated radially over the disk. An
6 external servo writer is used to write reference servo bursts to the disk at a coarser radial
7 resolution than product servo bursts. During a self servo writing operation, the reference servo
8 bursts are processed to servo circularly to write a first set of product servo bursts to the disk.
9 The reference servo bursts are also processed to servo spirally to write a second set of product
10 servo bursts to the disk.

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